

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		10654619
Filing Date		2003-09-03
First Named Inventor	Amit Lewin	
Art Unit	NA 2151	
Examiner Name	Unknown Nguyen, V	
Attorney Docket Number	5957-48401	

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
VN/	1	6104749		2000-08-15	Lu, et al.	
	2	6178161		2001-01-23	Terry	
	3	6339613		2002-01-15	Terry	
	4	7002941		2006-02-21	Treadaway, et al.	
	5	6148010		2000-11-14	Sutton, et al.	
	6	6826156		2004-11-30	Sutton, et al.	
	7	5592486		1997-01-07	Lo, et al.	
VN/	8	6088368		2000-07-11	Rubinstain, et al.	

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U.S.PATENT APPLICATION PUBLICATIONS

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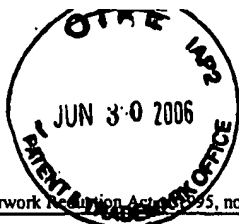
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PTO/SB/08A (07-05)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	Application Number: 10/654,619
	Confirmation No.: 4999
	Filing Date: September 3, 2003
	First Named Inventor: Amit Lewin
	Art Unit: 2816 2151
	Examiner Name: Unknown Nguyen, V
Sheet 1 of 4	Attorney Docket Number: 5957-48401

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/VN/		US-5,410,343	4/95	Coddington, et al.	
		US-5,778,189	7/98	Kimura, et al.	
		US-5,784,683	7/98	Sistanizadeh, et al.	
		US-5,790,548	8/98	Sistanizadeh, et al.	
		US-5,812,786	9/98	Seazholtz, et al.	
		US-5,905,781	5/99	McHale, et al.	
		US-5,909,564	6/99	Alexander, et al.	
		US-5,978,373	11/99	Hoff, et al.	
		US-5,991,308	11/99	Fuhrmann, et al.	
		US-5,999,565	12/99	Locklear, Jr., et al.	
		US-6,055,297	4/00	Terry	
		US-6,084,881	7/00	Fosmark, et al.	
		US-6,088,368	7/00	Rubinstein, et al.	
		US-6,101,182	8/00	Sistanizadeh, et al.	
		US-6,104,749	8/00	Lu, et al.	
		US-6,157,635	12/00	Wang, et al.	
		US-6,178,161	1/01	Terry	
		US-6,236,664	5/01	Erreygers	
		US-6,289,049	9/01	Rajakarunanayake, et al.	
		US-6,339,613	1/02	Terry	
		US-6,351,487	2/02	Lu, et al.	
		US-6,363,128	3/02	Isaksson, et al.	
		US-6,374,288	4/02	Bhagavath, et al.	
		US-6,404,861	6/02	Cohen, et al.	
		US-6,424,657	7/02	Voit, et al.	
		US-6,608,834	8/19/03	Lewin, et al.	
/VN/		US-6,680,940	1/20/04	Lewin, et al.	
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	Examiner Name: Unknown Nguyen, ✓
Sheet 2 of 4	Attorney Docket Number: 5957-48401

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code-Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Check if English Translation is attached
/NN/		EP 1206109	5/02			<input type="checkbox"/>
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NON PATENT LITERATURE DOCUMENTS			
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/NN/	A1	<i>Bypassing the Home Computing Bottleneck: The Suburban Area Network</i> , Kopp, Carlo, Pose, Ronald Department of Computer Science, Monash University, Clayton Victoria, 3168, Australia	<input type="checkbox"/>
	A2	<i>Multiprotocol Encapsulation over ATM Adaptation Layer 5</i> Heinanen, Network Working Group Telcom Finland	<input type="checkbox"/>
	A3	<i>Towards the Intelligent On-Line Home Office</i> Antoniazzi, Pampolini, OCEANS, Customer Equipment & Network Lab. Italtel Spa	<input type="checkbox"/>
	A4	<i>FDDI Lan Bridging Schemes</i> Shani, References: (1) ISO 8802-2 – IEEE 802.2 Logical Link Control, 1989-12-3, (2) ISO 8802-3 IEEE 802.3 Carrier Sense Multiple Access with Collision Detection. (3)RFC 1122 A Proposed Standard for the Transmission of IP datagrams over FDDI Networks, Katz, June 1989 (4) Getting More FiBer, Callahan, LAN Magazine July 1990	<input type="checkbox"/>
	A5	<i>ADSL: Moving Toward low-cost access to the information highway</i> Olshansky, Telephony; Nov 7, 1994; 227, 19; ABI/INFORM Global	<input type="checkbox"/>
	A6	<i>Killer Applications for the WEBAmericas</i> Edition, Telecommunications June 1996	<input type="checkbox"/>
	A7	<i>Sourcecom bets its money on BANC</i> Bucholtz, Chris Telephony; Sept 9, 1996, 231, II ABI/INFORM Trade & Industry	<input type="checkbox"/>
	A8	<i>Sourcecom rolls central-office mux for DSL</i> Wirbel, Electronic Engineering Times Sept 16, 1996; 919; ABI/INFORM Trade & Industry	<input type="checkbox"/>
	A9	<i>Carriers Drive ATM Home over ADSL</i> Green, Network World, Oct 14, 1996; 13, 42; ABI/INFORM Trade & Industry	<input type="checkbox"/>
↓	A10	<i>Carrier Strategies for DSL</i> Flanagan, Americas Edition, Telecommunications, December 1996	<input type="checkbox"/>
/NN/	A11	<i>ADSL looks to advances in chip design</i> Issa, Electronic Engineering Times; Jan 20, 1997; 937; ABI/INFORM Trade & Industry	<input type="checkbox"/>

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/NN/	A12	<i>Central Office Architectures Collide at ComNet</i> Wirbel, Electronic Engineering Times; Feb 10, 1997; 940; ABI/INFORM Trade & Industry	<input type="checkbox"/>
	A13	<i>Hybrid 56K/ADSL Modem Boasts Rock-Bottom Price</i> Green, Network World; Feb 17, 1997; Vol. 14, No 7; ABI/INFORM Trade & Industry	<input type="checkbox"/>
	A14	<i>Rethinking ISDN</i> McCarthy, Telephony: April 21, 1997; 232, 16; ABI/INFORM Trade & Industry	<input type="checkbox"/>
	A15	<i>Framing and Encapsulation Standards for ADSL: Packet Mode</i> ADSL Forum, TR-003 V1.0 June 1997	<input type="checkbox"/>
	A16	<i>3Com puts new spin on DSL access</i> Green, Network World; Sept 8, 1997 ABI/INFORM Trade & Industry	<input type="checkbox"/>
	A17	<i>DSL; Stuck in the Slow Lane</i> , Brown, Network World; Nov 3, 1997; 14, 44; ABI/INFORM Global	<input type="checkbox"/>
	A18	<i>Technical Report, TR-004: Network Migration</i> , ADSL Forum, Young, December 1997	<input type="checkbox"/>
	A19	<i>1998 Could be Watershed Year for DSL</i> , Nobel, Berinato PCWEEK, December 8, 1997 Vol. 14, No 51	<input type="checkbox"/>
	A20	<i>Broadbandloop: A Full-Service Access Network for Residential and Small Business Users</i> . Andersen, Nordeste, Duarte, Lassen, Anders, Bach, Amborski, Dittmann, IEEE Communications Magazine, December 1997	<input type="checkbox"/>
	A21	<i>Modelling and Design of TCP/IP Based Services Over ADSL And ATM</i> Grotz, Cope, Telecommunications 1998, 29 March - 1 April 1998, Conference Publication No. 451, © IEE 1998 ©	<input type="checkbox"/>
	A22	WAN virtual sensation, Waldfogel, Telephony: May 18, 1998; 234, 20' ABI/INFORM Trade & Industry	<input type="checkbox"/>
	A23	<i>Network Architectures in Support of Digital Subscriber Line (DSL) Deployment</i> Peuch, Paradyne, Region VP Europe Zurich, Switzerland, May 18 - 12 1998	<input type="checkbox"/>
	A24	<i>Cisco Spells DSL with Four New CPE Products</i> Duffy, Network world; June 1, 1998; 15, 22; ABI/INFORM Trade & Industry	<input type="checkbox"/>
	A25	<i>Achieving global consensus on the strategic broadband access network - the Full service Access Network initiative</i> . Quayle, Bissell, Clarke, Fisher, Mistry, North, Stern, Thorne BT Technology Journal Vol. 16, No 4 October 1998	
/NN/	A26	<i>Multimedia Systems and Applications</i> Tescher, Vasudev, Bove, Derrybery November 2-4 1998	

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Sheet 4 of 4	Attorney Docket Number: 5957-48401

/N/	A27	<i>DSL: Performance under Pressure</i> , Network World Brass, Nov 16, 1998; 15, 46; ABI/INFORM Trade & Industry	<input type="checkbox"/>
	A28	<i>Fujitsu hits DSL markets with E'net bridging focus</i> Wirbel, Electronic Engineering Times; Dec 21, 1998; 1040; ABI/INFORM Trade & Industry	<input type="checkbox"/>
	A29	<i>A Solution for Midband</i> , Dickie, Mackenzie, BT Technology Journal Vol. 16, No 4, October 1998	<input type="checkbox"/>
	A30	<i>Sharing the Wealth</i> Harler, Lindstrom, America's Network Oct 1, 1998; 102, 19 ABI/INFORM Trade & Industry	<input type="checkbox"/>
	A31	<i>Realising the potential of access networks using DSL</i> Foster, Young, Cook, Clarke, Kirby, Booth BT Technology Journal, Vol. 16, No. 4, 1998	<input type="checkbox"/>
	A32	<i>Remote Access Networks PSTN, ISDN, ADSL, Internet, and Wireless</i> Dhawan, McGraw-Hill ©1998	<input type="checkbox"/>
	A33	<i>DSL Service Selection Methods</i> Sampson, Americas Edition, Telecommunications, July 1999 www.telecommagazine.com	<input type="checkbox"/>
	A34	<i>ADSL Standards, Implementation, and Architecture</i> Summers, The CRC Press Advanced and Emerging Technologies Series 1999	<input type="checkbox"/>
	A35	<i>Broadband Access Technologies: ADSL/VDSL, Cable Modems, Fiber, LMDS</i> . Azzam, Ransom, Copyright 1999 by The McGraw Hill companies, Inc., pp 134 - 169	<input type="checkbox"/>
	A36	"MPC 860 PowerQUICC™," User's Manual, Chapter 24, Motorola Corp., July 1998.	
	A37	"Technical Report TR-003, Framing and Encapsulation Standards for ADSL: Packet Mode," June 1997, 17 pages.	
	A38	"RFC 1662, PPP in HDLC-Like Framing," July 1994, pp. 1-23.	
	A39	Taylor, "Internetworking Handbook," 1998, McGraw Hill, Second Edition, p. 697.	
↓	A40	Broadcom Product Brief, "BCM5203 Overview, Broadcom Corporation, Irvine, CA, 1998, 2 pages.	
/N/	A41	"VDSL Draft Specification ANSI," T1E1.4 Subcommittee, American National Standards Institute, Huntsville, AL, June 1998, 4 pages.	

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